

Curriculum Vitae

Personal Details

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<i>Current Status</i>	Postdoctoral Associate Cooperative Institute for Marine and Atmospheric Studies Rosentiel School of Marine and Atmospheric Science, University of Miami.
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Research Interests

My general research interest in physical oceanography is to use observational data to infer the physical processes taking place in the world ocean. In particular I am interested in characterizing the nature of oceanic velocities in the upper ocean and their relationship to atmospheric forcing, and this at wide ranges of spatial and temporal scales.

Previous position

2007 National Research Council Postdoctoral Research Associate,
Atlantic Oceanographic and Meteorological Laboratories, Miami, FL.

Education

2006	Ph.D, Oceanography, Scripps Institution of Oceanography, University of California, San Diego. Advisor: Sarah Gille
2001	D.E.A (Master level) in Meteorology, Oceanology and Environment, <i>Université de Bretagne Occidentale</i> , Brest, France.
2001	Master in Engineering, <i>Ecole Nationale Supérieure des Ingénieurs des Etudes et Techniques d'Armement</i> , graduate school in electrical and mechanical engineering, specific study in oceanography and hydrography, Brest, France.
1995-1998	Post high-school preparation in advanced mathematics, physics and chemistry for the competition entrance examination to French graduate engineering schools, Nancy, France.

Award(s)

2007 Postdoctoral research award from the U.S. National Research Council.

Internships/Training

Jul.-Aug. 2005	Summer School on Lagrangian Oceanography, Graduate School of Oceanography at the University of Rhode Island, Narragansett. Organizers: Thomas Rossby and Andrew Bennett
Mar.-Jun. 2001	Visiting scientist at Scripps Institution of Oceanography, University of California, San Diego. Advisor Sarah Gille. D.E.A. and engineering school final project.
Jun.-Aug. 2000	Visiting scientist at Institute of Arctic and Alpine Research, University of Colorado, Boulder. Supervisor James Syvitski, director. Programming of an oceanographic mooring (sensors control and data acquisition).

Sea Experience

- Feb-Mar 2004 CTD watch and satellite data analyses, *ARSV Laurence M. Gould*, Blue Water Zone cruise, Southern Drake Passage, 40 days, Chief Scientist: Dr. Greg Mitchell.
- Feb-Mar 2003 LADCP/CTD watch, *R/V Melville*, AUCE cruise: Agulhas Current, 30 days, Chief Scientist: Dr. Lisa Beal.
- Jun-Aug 1999 Scientific assistant for *Laboratoire des Sciences du Climat et de l'Environnement*, *R/V Marion Dufresne*, *IMAGES V* paleoceanographic campaign, legs 2 & 3 Québec-Reykjavik-Tromsø, 42 days.

Publications

- Shane Elipot and Sarah T. Gille, Ekman layers in the Southern Ocean: spectral models and observations, vertical viscosity and boundary layer depth, submitted to *Journal of Marine Research*, Feb. 2008.
- Shane Elipot and Rick Lumpkin (2008), Spectral description of oceanic near-surface variability, *Geophys. Res. Lett.*, doi:10.1029/2007GL032589, in press.
- Shane Elipot (2006), Spectral characterization of Ekman velocities in the Southern Ocean based on surface drifter trajectories, *Ph.D. dissertation*, University of California, San Diego.
- Lisa M. Beal, Teresa K. Chereskin, Yueng D. Lenn, and Shane Elipot (2006), The sources and mixing characteristics of the Agulhas Current, *J. Phys. Oceanogr.*, 36(11), pp. 2060-2074.

Abstracts and Talks

Elipot, S and R. Lumpkin Global observations of inertial waves from Lagrangian drifters, *Ocean Sciences meeting, Orlando, Florida, Mar. 2008*.

Elipot, S, S. Gille and R. Lumpkin Polarizations of the oceanic surface flow, *International Union of Geodesy and Geophysics XXIV General Assembly, Perugia, Italy, Jul. 2007*

Elipot, S. Ekman velocities and vertical viscosities from surface drifter data in the Southern Ocean, *LOCEAN, Paris, France, Dec. 2006*.

Elipot, S. How to obtain estimates of vertical viscosity from surface drifter data, *Physical Oceanography Dissertation Symposium IV, Honolulu, Hawaii, Oct. 2006*.

Elipot, S. and S. Gille Wind energy input and vertical viscosity in the Southern Ocean, *Ocean Sciences meeting, Honolulu, Hawaii, Feb. 2006*.

Elipot, S. Wind energy input into Ekman motions in the Southern Ocean, invited student talk at *CISECE, Ensenada, Mexico, Jul. 2005*

Elipot, S. and S. Gille Evidence of frequency dependent Ekman currents from drifters in the Southern Ocean, *Ocean Sciences meeting, Portland, Oregon, Jan. 2004*.

Elipot, S. Spectral characterization of drifter and altimeter-derived velocities in the Southern Ocean, invited talk at *Ifremer, Brest, France, Nov. 2003*.

Elipot, S. and S. Gille Comparing drifter and altimeter-derived velocities in the Southern Ocean, *From TOPEX/Poseidon to Jason, SWT meeting, Arles, France, Nov. 2003*.

Elipot, S. and S. Gille Spectral response of the Southern Surface Circulation to Wind, *Woce and Beyond Conference, San Antonio, Texas, Nov 2002*. Invited student.